

From wang!elf.wang.com!ucsd.edu!info-hams-relay Sat Mar 23 02:42:17 1991 remote
from tosspot
Received: by tosspot (1.63/waf)
via UUCP; Sat, 23 Mar 91 09:46:48 EST
for lee
Received: from somewhere by elf.wang.com id aa04177; Sat, 23 Mar 91 2:42:11 GMT
Received: from ucsd.edu by relay1.UU.NET with SMTP
(5.61/UUNET-shadow-mx) id AA28945; Fri, 22 Mar 91 19:16:20 -0500
Received: by ucsd.edu; id AA04062
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:07:04 -0800 for brian
Received: by ucsd.edu; id AA04017
sendmail 5.64/UCSD-2.1-sun
Fri, 22 Mar 91 13:06:55 -0800 for /usr/lib/sendmail -oc -odb -oQ/var/spool/
lqueue -oi -finfo-hams-relay info-hams-list
Message-Id: <9103222106.AA04017@ucsd.edu>
Date: Fri, 22 Mar 91 13:06:54 PST
From: Info-Hams Mailing List and Newsgroup <info-hams-relay@ucsd.edu>
Reply-To: Info-Hams@ucsd.edu
Subject: Info-Hams Digest V91 #219
To: Info-Hams@ucsd.edu

Info-Hams Digest Fri, 22 Mar 91 Volume 91 : Issue 219

Today's Topics:

 Antenna Question
 Anybody out there ever fixed a microwave oven
 ARRL 16: 80M NOVICE CHANGE
 Balloon Antennas
 Chinese Ham Ticket
 FCC spectrum allocation
 Foothill Flea Market
 Ham interference on Cable TV?
 Hints & Kinks for taking the General code test
 Icom CI V interface
 Looking for High Voltage Capacitors
 LSB vs USB ad infinitum
 No Code issue makes Scientific American
 QST, 73 or CQ Index
 reading odd components
 Some gossip about no-code tech teaching materials
 Straight keys vs. iambic
 TS-140S to a ^680S ?
 UHF (440) Repeater Amplifiers
 upgrade from no-code tech
 WANTED: FSTV/ATV Video Tapes
 what does COSMAC mean, as in 1802

When is the contest????

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>

Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Mar 91 02:42:32 GMT

From: vax5.cit.cornell.edu!inuy@cu-arpa.cs.cornell.edu

Subject: Antenna Question

To: info-hams@ucsd.edu

I have an antenna question for all of you who are good at that type
of thing. I have been looking over different types of antenna, and
I think I want to build a yagi beam. I have figured out all the
dimensions of it, but there is one problem. The book has the
impedance listed as 75 ohms, but my (a VHF scanner) receiver has a
50 ohm input impedance. Will this make much of a difference to a
receiver? If it will degrade the performance of the antenna, is
there a simple way to transform the 75 ohm impedance from the
antenna to 50 ohms? Also, while on the subject of home built
antenna, where can one get the nice light weight aluminum tubing
the commercial antenna are built out of? Or does it matter? I
have actually been thinking of trying to suspend #12 wire on
insulators between eyehooks on a frame of 2x2's. I think tubing
would look a lot better, and weigh a lot less though. Any
recommendations?

Please, if you can, email your replies, as I do not regularly read
this message area. Thanks!

--Matthew Kleinmann

Date: 18 Mar 91 19:22:08 GMT

From: zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac@sdd.hp.com,

Subject: Anybody out there ever fixed a microwave oven

To: info-hams@ucsd.edu

My recomendation is *DON'T MESS WITH YOUR MICROWAVE* unless you are

interested in finding out what cataracts are like. Stray microwave energy is very dangerous to your eyes!!!! And from the questions asked in this post it looks like the writer does not understand this!

If any reader doesn't know what cataracts are, do some research! It is blindness, or partial blindness, due to a change in the clear lens of the eye. In other words, microwave can cook your eyes, just like the white of an egg turns from clear to opaque!!

Date: 16 Mar 91 04:24:39 GMT
From: swrinde!zaphod.mps.ohio-state.edu!tut.cis.ohio-state.edu!n8emr!gws@ucsd.edu
Subject: ARRL 16: 80M NOVICE CHANGE
To: info-hams@ucsd.edu

=====
| Relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 1200/2400/9600/V.32/PEP/MNP5 |
=====

ZCZC AG81
QST DE W1AW
ARRL BULLETIN 16 ARLB016
FROM ARRL HEADQUARTERS NEWINGTON CT
MARCH 15, 1991
RELAYED BY KB8NW/OBS & BARF-80 BBS
TO ALL RADIO AMATEURS

Advisory to Novice and Technician Class licensees. On January 10 the FCC announced a change in its rules to move the 80 meter Novice band from 3700 through 3750 KHz downward to 3675 through 3725 KHz. The change takes effect March 16 at 1201 AM local time.

--
Gary W. Sanders (gws@n8emr or ...!osu-cis!n8emr!gws), 72277,1325
N8EMR @ W8CQK (ip addr) 44.70.0.1 [Ohio AMPR address coordinator]
HAM BBS (1200/2400/9600/V.32/PEP/MNP=L5) 614-895-2553
Voice: 614-895-2552 (eves/weekends)

Date: 15 Mar 91 05:21:44 GMT
From: swrinde!cs.utexas.edu!oakhill!nddsun1!waters@ucsd.edu
Subject: Balloon Antennas
To: info-hams@ucsd.edu

In article <CMM.0.90.2.668977304.rdixon@magnus.acs.ohio-state.edu>

Bob_Dixon@osu.edu writes:

>If it is windy and there are objects around, don't even try to launch.
>Trees and other antennas are deadly to balloons.

Need I add that POWER lines of ANY sort shhould be a L000NG way from the balloon/antenna/guy. I would suggest 2-3X the antenna length as a minimum.

>Electrically, the balloon antennas work like gangbusters. On 160 meters
>you can dominate the band. You will need good ground radials and an
>antenna tuner located right at the base. Good luck!

>

I have never done that, but it sounds like GREAT fun. How about a 1/2W or 5/8 Wave (on 160 :-)) to cut down the ground currents (= ground losses)

Lets see that would "only" be 240Ft.

--

*Mike Waters AA4MW/7 waters@nddsun1.sps.mot.com *
We ARE as gods and might as well get good at it.
-- Whole Earth Catalog

Date: 22 Mar 91 05:28:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Chinese Ham Ticket
To: info-hams@ucsd.edu

I have a Chinese student that is interested in ham radio. He is interested in talking with his parents in mainland China. Can his parents go to an ham station probably a club and talk to him while he is in this country. How do his parents go about getting a license in China and can they own a station other than a club station.

agengcc@unx2.ucc.okstate.edu (Gordon Cougar)
Thanks in avance

Date: 13 Mar 91 22:52:44 GMT
From: gatech!prism!mailer.cc.fsu.edu!sun13!murray@ucsd.edu
Subject: FCC spectrum allocation
To: info-hams@ucsd.edu

In article <13309@helios.TAMU.EDU> msw1633@summa.tamu.edu writes:

>Does anyone have (on line) or know where I might be able to get a copy of the
>FCC radio spectrum allocations (including all services and bands etc.)? I know
>I can get this by ordering the first volume of CFR 47 from the area gov't
>documents center, but it would be nice to be able to get this electronically.

Was there anything like this in the FAQ's? If not, this would probably
be a worthwhile thing to add to the intermediate FAQ - both the government
source and the ftp source, if one exists.

>Mark S. Whitsitt, N5RJF Texas A&M University, Dept of Biochemistry
>Bitnet: MSW1633@TAMSIGMA College Station, Tx. 77843-2128
>Internet: MSW1633@SIGMA.TAMU.EDU (409) 845-0832
> "You can't throw darts when your empty, man!" -- another Schadelism

--

Disclaimer: Yeah, right, like you really believe I run this place.
John R. Murray | "Memory serves
murray@vsjrm.scri.fsu.edu | wise commanders."
Supercomputer Research Inst. | - Tz'u-hsi, 638 AD

Date: 13 Mar 91 19:37:38 GMT
From: hpl-opus!hpnmdla!alanb@hplabs.hpl.hp.com
Subject: Foothill Flea Market
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, wws@raphael.cray.com (Walter Spector) writes:

>In article <1991Mar10.041753.8918@informix.com>, randall@informix.com
>(Randall Rhea) writes:
>> Well, opening day 1991 for the second-Saturday-of-the-month Foothill
>> College flea markets has come and gone. This is a much anticipated event
>> in SF Bay Area hamdom.
>>
>> I found this one to be disappointing. There was a whole lot of overpriced
>> junk, even more than usual. Although it's supposed to be a ham flea
>> market, most of the stuff that was being sold had nothing to do with ham
>> radio. [more on low quality of junk deleted...]

...

>I note that there are going to be monthly swap meets in Livermore.
>Did anyone go to the first one? I wonder if it is any better?

In my (biased) opinion, the Sonoma County Radio Amateurs (SCRA) flea
market in Sebastopol, while smaller than Foothills, is much more

ham-related. If you can wait until September (28th), and don't mind an hour's drive north of the Golden Gate, you might give it a try.

AL N1AL

Date: 15 Mar 91 03:17:38 GMT
From: swrinde!zaphod.mps.ohio-state.edu!sample.eng.ohio-state.edu!phonon!
rlong@ucsd.edu
Subject: Ham interference on Cable TV?
To: info-hams@ucsd.edu

Re: Ham Interference on Cable TV

I sent an email to the original poster but decided to post

on the net as well. No one asked whether he had cw or voice interference. How does he know it is a ham?

Could it be that he is hearing the new cw identification that satellite uplinkers are now required to transmit? This was discussed on the net recently. I assume that it is supposed to be subaudible but I hear it often and if I had not read it on the net I would have assumed it was ham interference since I have not been able to copy it. It is just loud enough to be annoying but not loud enough to read (at least for me.))

Just a thought. Ron W8GUS.

--

Ronald K. Long
Ohio State Univ EE Dept., 2015 Neil Ave., Columbus, OH 43210
rlong@phonon.eng.ohio-state.edu

Date: 20 Mar 91 16:04:32 GMT
From: ogicse!plains!kkim@ucsd.edu
Subject: Hints & Kinks for taking the General code test
To: info-hams@ucsd.edu

In article <1075@wells.UUCP> k3tx@wells.UUCP (Dave Heller) writes:
:In article <1370@gargoyle.uchicago.edu>, hayward@gargoyle.uchicago.edu (Peter
Hayward) writes:

:> The ARRL VEC has announced that it will be going to multiple choice
:> over the next few months.

:> --

:> Peter B. Hayward University of Maine WX9T

:

:116. The question pools aren't hard to memorize.
:
:
:K3TX
:Who passed in front of an unsmiling but FAIR FCC examiner.

i wonder if the code test is from the question pools...
that's funny. has it been made public?

thanks.

k kim

Date: 15 Mar 91 17:57:52 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!think.com!linus!linus!mwunix.mitre.org!
m21198@ucsd.edu
Subject: Icom CI V interface
To: info-hams@ucsd.edu

I just received the answer to my query. I am posting it as I have also
received several requests and other comments.

Hi John,
I just received a technical description and control codes for the CI-V
interface on the my IC-735. I called Icom customer service(206-454-7619)
and asked for parts. They sent it to me free, however they have a \$10
more extensive manual covering all models. I think this has all one
needs for the 735. I hoping to connect this to my MAC SE. The voltage levels
need to be shifted to 0 and 5v for the 735.

Let me know how you make out, maybe exchange ideas?

73
Tom
WA2CUE

Thanks to Tom,(housten@demon.siemens.com)
and to all others who replied. BTW, there is some KA9Q c code
to handle some of the I/O posted on wuarchive.wustl.com.

Date: 21 Mar 91 17:01:46 GMT
From: hpfcso!hpfcdc!perry@hplabs.hpl.hp.com
Subject: Looking for High Voltage Capacitors
To: info-hams@ucsd.edu

Re: 5pF/4KV

Try a local large electrojunk emporium (i.e. not Radio Shack). I've seen these capacitors manufactured by Sprague. You might also check a TV repair shop. If nothing else, I have a new 10pF/6KV cap in my junkbox that I'll probably never use...

Perry Scott
KF0CA

Date: 20 Mar 91 17:01:02 GMT
From: sdd.hp.com!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!tut.cis.ohio-state.edu!abvax!iccgcc!macmillan@ucsd.edu
Subject: LSB vs USB ad infinitum
To: info-hams@ucsd.edu

In the never ending saga of LSB-USB I may have missed this item, but just in case....

The dividing line between common use of LSB and USB seems to be 9 MHz. If you were home brewing an SSB exciter you could get a two band transmitter or transceiver with a 9 MHz USB IF and a 5.0-5.5 MHz VFO.

Add the two and USB appears from 14.0-14.5 MHz. Subtract and you will get 4.0-3.5 MHz. The subtraction process has also inverted the sideband and it is now LSB.

Simplicity and two DX bands in one box.

73 de WA8ZHN / Jim MacMILLAN / PRB-WON

Date: 16 Mar 91 08:01:52 GMT
From: swrinde!cs.utexas.edu!convex!texsun!letni!rwsys!kf5iw!k5qwb!lrk@ucsd.edu
Subject: No Code issue makes Scientific American
To: info-hams@ucsd.edu

edh@sqa.dsg.ti.com (ed humphries (ASOC)) writes:

> My oldest son (14) just passed no-code Tech. He's been studying code too,
> and will continue (still young HI). But, he's grown up with computers and

Just for the record, N5RSE passed his novice and tech before he turned seven. I was 16 when I decided to get my novice and it took

Is there some nicer way?

David Adams
dadams@cray.com

Date: 17 Mar 91 18:21:51 GMT
From: sdd.hp.com!spool.mu.edu!snorkelwacker.mit.edu!stanford.edu!agate!
usenet@ucsd.edu
Subject: Some gossip about no-code tech teaching materials
To: info-hams@ucsd.edu

Hiya Folks: I went down to the local ham store to get copies of the novice/tech books for some pals. And lo-and-behold... they were sold out. (Except for a couple of tune-in-the-worlds with code tapes 8). I asked the owner about this. He says he called the ARRL and they have sold out the old style books. They are frantically working on a single novice/tech book to be out in late April. (The working title is: "The First Book".) The owner's guess was that the new material would debut at the Dayton Hamvention. Anyway, I thought you might be interested in this gossip. Does this single the impending surge of codeless techs we've been fearing 8)

Will Marchant Center for Extreme Ultraviolet Astrophysics
marchant@ssl.berkeley.edu University of California
KC6ROL Berkeley, CA 94720 USA

Date: 21 Mar 91 16:38:39 GMT
From: otter.hpl.hp.com!hpltoad!hpinddr!richv@hplabs.hpl.hp.com
Subject: Straight keys vs. iambic
To: info-hams@ucsd.edu

Does anyone have a feel for the percentage of hams sending manually vs. using some kind of electronic assistance? Do people still use straight keys or are "morse machines" and built-in keyers the way to go? I suppose sending with an iambic keyer is a totally different skill.

Richv

PS I hope I'm using the term "iambic" correctly.

Date: 22 Mar 91 01:08:22 GMT
From: usc!wuarchive!swbatl!ken@ucsd.edu
Subject: TS-140S to a ^680S ?
To: info-hams@ucsd.edu

Has anyone out there succesfully converted a Kenwood TS-140S into a TS-680S ? The sales brochure shows a lot of stenciled but empty spaces on the 140's filter unit. There must be some reason they left the VOX capability out of the 680. I'm seriously thinking about the 140 as a second HF rig. Any comments -good or bad?
Ken - WB0QNA

Date: 19 Mar 91 20:50:43 GMT
From: agate!apple!usc!sdd.hp.com!caen!math.lsa.umich.edu!spsd4360a.erim.org!
hideg@ucbvax.berkeley.edu
Subject: UHF (440) Repeater Amplifiers
To: info-hams@ucsd.edu

Hello all.

I am in the market for a 440MHz band repeater amplifier. I currently have an Icom RP-3010 repeater that's putting out about 10W. I'm interested in a 100W amplifier. I have been looking at some like the Mirage D-1010NR and D3010NR. I also have some literature on Microwave Modules, Falcon, and rfconcepts. I'm sure there is more, especially "commercial" stuff.

I'm looking for recommendations and experiences with various products.

I may even try to build one, if I had a good solid design.

Any help/advice/thoughts would be appreciated.

Thanks/pax

Steve Hideg N8HSC

hideg@spsd4360a.erim.org

Date: 21 Mar 91 17:07:40 GMT
From: hpfcso!hpfcddc!perry@hplabs.hp1.hp.com

Subject: upgrade from no-code tech
To: info-hams@ucsd.edu

The 10 wpm wall.

Yup, I hit it too. Some people don't. I hit another wall at 18 wpm. I worked through that wall by going two forward and one back, ratcheting my way up to higher speed. Don't get discouraged. Don't try for perfect copy. That will come later. Expect to spend 15 minutes a day for four months, if you're as dim as I am when it comes to code.

Perry Scott
KF0CA

Date: 21 Mar 91 20:29:28 GMT
From: fs7.ece.cmu.edu!o.gp.cs.cmu.edu!andrew.cmu.edu!ps2x+@sei.cmu.edu
Subject: WANTED: FSTV/ATV Video Tapes
To: info-hams@ucsd.edu

I'm doing a promotional/informational video about amateur television, and need videotape footage of interesting ATV things. This includes Balloons, RC Vehicles, Space Shuttle, whatever. I'm shooting for a mid april completion date, so any help soon would be appreciated.

Pete Skelly - KB7GUD
ps2x@andrew.cmu.edu

Date: 22 Mar 91 05:03:40 GMT
From: swrinde!zaphod.mps.ohio-state.edu!rpi!bu.edu!dartvax!
Christopher.C.Kagy@ucsd.edu
Subject: what does COSMAC mean, as in 1802
To: info-hams@ucsd.edu

In article <1991Mar21.063134.4747@ariel.unm.edu>
ollie@hydra.unm.edu (Ollie) writes:

> Hi. I'm playing with a COSMAC 1802 chip and wondered why they are called
> COSMAC. Are all 1802s rad-hard, and does this have anything to do with it?

It actually stands for COmplementary Silicon MetAl-oxide Conductor I believe.

-Chris

Date: 22 Mar 91 02:06:01 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!wuarchive!uwm.edu!linac!att!att!cbnewsk!
wheatley@ucsd.edu
Subject: When is the contest????
To: info-hams@ucsd.edu

I believe the wording is "the last full weekend of march"....thus
easter weekend. If CQ says march 30 and 31 I would take their word
for it...they do, after all, sponsor the contest. Sounds like
ARRL/QST missed a beat on this one?

--
Steven Wheatley AT&T Consumer Products (201) 581-3195

....!att!inuxz!wheatley

Date: 14 Mar 91 13:11:28 GMT
From: sdd.hp.com!spool.mu.edu!news.cs.indiana.edu!cs.widener.edu!
netnews.upenn.edu!platypus!bill@ucsd.edu
To: info-hams@ucsd.edu

References <1991Mar5.125838.28106@lonex.radc.af.mil>, <10608@dog.ee.lbl.gov>,
<4822@eastapps.East.Sun.COM>
Subject : Re: Frequently Asked Questions for Amateur Radio

In article <4822@eastapps.East.Sun.COM>, jimv@hienergy.East.Sun.COM (Jim Vienneau
- Sun Microsystems) writes:

>
>
> But you really should
> take a listen from 26.965 to 27.990 (yes the CB band legally ends at 27.405)
> sometime, especially on Friday and Saturday nights. Just make sure your kids
> are not in the room!

But you should take a listen to 14.313 (yes it is in a ham band) sometime,
especially on Friday and Saturday nights. Just make sure your kids are not
in the room!

So what's your point??

bill KB3YV

"We have met the enemy and he is us." (from Walt Kelly's Pogo)

--

Bill Gunshannon		If this statement wasn't here,
bill@platypus.uofs.edu		This space would be left intentionally blank
bill@tuatara.uofs.edu		#include <std disclaimer.h>

Date: 16 Mar 91 20:00:38 GMT
From: swrinde!zaphod.mps.ohio-state.edu!rpi!dali.cs.montana.edu!milton!sumax!
polari!mzenier@ucsd.edu
To: info-hams@ucsd.edu

References <64364@eerie.acsu.Buffalo.EDU>, <917@nddsun1.sps.mot.com>,
<1991Mar13.205647.24031@cunixf.cc.columbia.edu>
Subject : Re: non-11m 'CB' bands

>>In article <64364@eerie.acsu.Buffalo.EDU> v127p9xg@ubvmsd.cc.buffalo.edu writes:
>>>I have recently found out that frequencies in the 72-75Mhz and ~462-467Mhz
>>>ranges are considered "CB".

Warning. 75 Mhz is one of those frequencies that "thou shalt not screw with".
(Airport outer limit beacon ?). Putting anything on the air on such a
critical frequency is looking to get stomped on by both the FCC and FAA. Hard.

If you want to know who can do what on what frequency. Part 2 of Title 47
Code of Federal Regulation has over a hundred pages of spectrum allocation
charts giving the ITU, US government, and civilian usages of the spectrum.

Mark Zenier markz@ssc.uucp mzenier@polari.uucp

Date: 21 Mar 91 21:06:01 GMT
From: zardo@ucsd.edu
To: info-hams@ucsd.edu

References <26530001@hplds1a.sid.hp.com>, <410032@hpmqlb.sqf.hp.com>,
<1991Mar20.181837.17763@cbnewsh.att.com>
Subject : Re: KNWD TS-430S problem

I had to replace the pills in my TS-430 to fix the intermittent QRP
problem that had developed. The 10 meter band was worst case.
I used Motorola MRF-454? I will look inside and get the correct #'s
if anybody is interested. Its been working okay now for over a year.
You do have to re-adjust the bias pot when replacing the finals.

End of Info-Hams Digest
